

| Weed, Pest & Disease in Christmas Trees | | | | | |
|--|----------------|---|--|---------------------------|---|
| Timing | Species | Weed Problem. | Product | Rate/ha | Comments |
| Late Oct - end Feb | All | Overwintering Weeds | glyphosate (S) | 1.5 - 2.5 | Only Roundup Pro Biactive and Clinic Ace have SOLA approval Crop MUST be fully dormant with buds sealed. Weeds must be green. Spruce, Pine & Nords tolerant, Fraser & Noble less so. Do not add adjuvant or other products for overall applications |
| | | | Hurricane (E) | 250ml/ha | Add Hurricane (dff) as a directed inter-row spray to greatly improve annual weed control - particularly annual willowherb. |
| Nov / Dec | All | Grasses and some broadleaved weeds | Kerb (L) | 3.0 - 3.5 | An alternative to glyphosate Residual herbicide needing plenty of rainfall May be sprayed overall - safe to all species |
| March/early April (Before bud swelling) | All | Spring germinating weeds - no annual willowherb | Kerb + Stomp (L+S) | 1.25 + 3.3 | Effective only on weed free soils Will prevent germination to early July |
| March/early April (Before bud swelling) | | Spring germinating weeds + annual willowherb | Kerb + Sumimax (L+S) | 1.25 + 2.5 | Effective only on weed free soils Will prevent germination to late June SOLA approval |
| April to June | | Most grasses (not fine leaved fescues) | Laser (E) OR Falcon (E) Or Fusilade Max (E) | 3.0 - 3.5 1.50 2.25 | Add adjuvant to Laser only May be oversprayed - avoid early flush period of crop |
| April to September | | Docks | Starane (S) OR Boxer (S) OR Mecoprop-P (E) OR Broadshot) (E) OR Asulox (S) | 2.0 2.50 2.80 | As directed spray only to hand sized leaves (also controls nettle) " (also suppresses buttercup) " (also controls thistle, thistle, buttercup, ragwort) " (also ragwort nettle, thistle, RB willowherb, buttercup) May be sprayed overall (not in hot sunlight) |
| April to end August | | Thistles | 2,4-D (S) OR Dow Shield (E) | 2.80 0.5 - 1.0 | As directed spray when thistle at least 6" tall May be sprayed overall (not in hot sunlight) |
| April to September | | Nettle, Bramble & Rosebay Willowherb | Timbrel / Triptic (E) Broadshot (E) | 2.0 3.0 - 3.5 | As directed spray only avoiding the crop, so is best applied when nettle is less than 10" tall |
| April to September | | Buttercup | 2,4-D (S) | 2.80 | As a directed spray only |
| May - June | | Hogweed | Boxer (S) OR Jubilee SX (S) | 150ml/ha 30g / ha | Directed spray only. Tolerated by spruce. Firs sensitive Directed spray only - avoid the crop |

| Weed, Pest & Disease in Christmas Trees | | | | | |
|--|----------------------------|---|--|---|---|
| Timing | Species | Insect & Fungal Problems | Product | Rate/ha | Comments |
| Mid September | All Firs | Disease suppression | Headland Copper | 5 lit/ha | To suppress spore production and prevent spore germination |
| September - February | Spruce " Douglas Fir | Green Spruce Aphid, Spruce Shoot aphid, Spruce Pineapple Gall, Douglas Fir Woolly Aphid | Decis (E) or Hallmark (E) or Toppel (E) | 7ml / 10 lit 100ml / ha 17ml/10lit | } These products are all similar synthetic pyrethroids } Winter application prevents large populations causing damage } Thorough foliage cover essential |
| October - February | Spruce Firs | Spruce Conifer Spinning Mite Rust Mite | Apollo (E) | 400ml/ha | The only product to control winter mite eggs May be mixed with aphicide Use in first 3 years normally sufficient to reduce/eliminate populations Use Sequal between May & July to control adults |
| October / November | Frazer Nordman | Balsam Woolly Aphid Silver Fir Wooly Aphid | Decis / Toppel (E/E) “ | 7/17ml/10lit “ | A very difficult pest to control - can kill trees. Early action essential. A difficult pest to control - preventative action desirable. |
| End Feb / Early March | Nordman | Silver Fir Wooly Aphid | Decis / Toppel (E/E) | 7/17ml/10lit | To control adults and prevent feeding |
| End March / early April | Frazer | Balsam Woolly Aphid | Decis / Toppel (E/E) | 7/17ml/10lit | To control adults and prevent feeding |
| Bud Swelling | All Firs | Needlecast, rust & other fungal infections | Headland Copper (E) | 5 lit/ha | To suppress spore production and prevent spore germination |
| May - full flush Repeat in 14 days | All firs | Needlecast, rust & other fungal infections | Amistar (S) | 1.0 l/ha | Protective and curative activity where disease have been identified Ideally use alternatives such as Folicure, Systhane or Bravo |
| May-full flush & late | All firs | Balsam Woolly Aphid & Silver Fir Woolly Aphid | Mainman (S) | 140g/ha | Only necessary where woolly aphids have been identified |
| May - August | Spruce Nordman | Spruce Shoot Aphid Giant Fir Aphid | Gazelle (L) OR Aphox (E) | 500g / ha 280g/ha | Spot treat as necessary “ |
| June & August | Frazer | Balsam Woolly Aphid | Gazelle (L) | 500g / ha | To control later generations of aphid |
| Early / late August | Pine | Pine shoot moth | Decis (E) | 7ml / 10 lit | Apply twice leaving 14 day interval |
| April to September | Noble | Phytophthora | FarmFos (-) OR Phorce (-) OR Vitaphyte (-) | 400ml/10lit 200ml/10lit 250ml/10lit | Apply every 4 - 6 weeks to foliage at approximately 200l/ha “ “ “ “ |
| Products - UK Approval Key: L = Label, S - SOLA, E = Extension of Use | | | | | |
| Colin Palmer. Rural Services, Ledbury. 01531 633500. forestry@branchline.demon.co.uk www.ruralservice.info | | | | | |

| Timing | | | |
|--|--|--|--|
| Late Oct - end Feb | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| Nov / Dec | | | |
| | | | |
| | | | |
| March/early April (Before bud swelling) | | | |
| | | | |
| March/early April (Before bud swelling) | | | |
| | | | |
| April to June | | | |
| | | | |
| | | | |
| April to September | | | |
| | | | |
| | | | |
| | | | |
| April to end August | | | |
| | | | |
| April to September | | | |
| | | | |
| April to September | | | |
| | | | |
| May - June | | | |
| | | | |
| | | | |

